Johnson-Johnson

#14

ONE JOHNSON & JOHNSON PLAZA NEW BRUNSWICK, N.J. 08933-

Laura Donnelly
Senior Patent Counsel
Legal Dept. WH-6123
(732) 524-1729 (direct)
(732) 524-2143 (facsimile)
Ldonnel2@corus.jnj.com

June 27, 2003

VIA EXPRESS MAIL

Derek A. Putonen
Attorney Advisor
Office of PCT Legal Administration
Mail Stop PCT
P.O. Box 1450
Alexandria, VA 22313-1450

Re:

Request for Reconsideration of Decision on Petition and

Renewed Petition Under 37 C.F.R. 1.137(b) for

Application Ser. No.: 10/019,337

International Filing Date: March 26, 2000

Title: NEUTROTROPHIC FACTOR RECEPTOR

Inventor(s): MASURE et al.

fauc a. Dunely

Our Ref.: JAB-1512

Dear Mr. Putonen,

Enclosed is a Request for Reconsideration of Decision on Petition and a Renewed Petition. I believe that all of the requirements for the Petition for Revival of Patent Application Abandoned Unintentionally Under 37 C.F.R. § 1.137(b) have now been met. Should you have any questions or require additional information, please contact me at the telephone number listed above.

Sincerely,

Laura A. Donnelly

Registration No. 38,435

Enclosures

RECEIVED

0 9 JUL 2003

Legal Staff International Division



PROXY

Laura Anne Donnelly and Linda S. Evans are hereby granted the power to appoint, retain and dismiss patent agents or patent attorneys to represent Janssen Pharmaceutica N.V. and to direct or instruct such patent agents or patent attorneys to file, register and prosecute applications for patents, inventors certificates, and the like in the name of Janssen Pharmaceutica N.V. in patent offices and before multinational patent authorities, as well as, the power to direct such agents and attorneys to file papers for patent term extensions, renewals, correction and reissue of said patents in the name of and for the benefit of Janssen Pharmaceutica N.V.

Dirk Collier
Board Member

Date: June 4, 2003

₽René Hex

Board Member

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

MASURE et al.

Serial No.

10/019,337

Art Unit: Unassigned

Filed

I.A. March 26, 2000

Examiner: Unassigned

For

NEUROTROPHIC FACTOR RECEPTOR

•				
1610	103			
	(Date)			
Lausa	Α,	Donnelly		
Name of applicant, assignee, or Registered Representative				
fuir				
	(Signatu	ne)		
10127103				

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on

Commissioner for Patents Washington, D.C. 20231

REQUEST FOR RECONSIDERATION OF DECISION ON PETITION

(Date of Signature)

Dear Sir:

In response to the Decision on Petition, dated May 7, 2003, and its accompanying CRF Problem Report, enclosed herewith is a computer readable Sequence Listing and the required Verification Statement Under 37 C.F.R. 1.821(f). As indicated in the CRF Problem Report (copy attached hereto), although Applicants originally provided a computer readable Sequence Listing, the copy provided was "Damaged" and therefore unreadable. Applicants respectfully

submit that all of the requirements for the Petition for Revival of Patent Application Abandoned Unintentionally Under 37 C.F.R. § 1.137(b), originally submitted on January 21, 2003, have now been met. Namely, as acknowledged in the Decision on Petition, the Petition fee has been satisfied; and the requirement that Applicants and/or Applicants' representative attest that the delay was "unintentional" has been satisfied. A Renewed Petition Under 37 C.F.R. § 1.137(b) is attached hereto in response to the Office's request. Reconsideration and withdrawal of the Decision on Petition are respectfully requested.

Respectfully Submitted,

Laura A. Donnelly

Registration No. 38,435

Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 (732) 524-1729 (direct) (732) 524-2134 (facsimile)

Dated:

2017612

Enclosures:

Computer Readable Sequence Listing Verification Statement Under 37 C.F.R. 1.821(f) CRF Problem Report (copy) Renewed Petition Under 37 C.F.R. § 1.137(b)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

MASURE et al.

Serial No.:

10/019,337

Art Unit: Unassigned

Filed:

I.A. March 26, 2000

Examiner: Unassigned

For:

NEUROTROPHIC FACTOR RECEPTOR

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on

6121103			
(Date)			
Laura A. Ponnelly			
Name of applicant, assignee, or Registered Representative			
fauro c. Donaly			
(Signature)			
8017612			
(Date of Signature)			

Attention: Office of Petitions Assistant Commissioner for Patents Box DAC Washington, D.C. 20231

RENEWED PETITION UNDER 37 C.F.R. 1.137(b)

Dear Sir:

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent Office on October 6, 2002. Applicants submitted a Petition for Revival of an Application for Patent Abandoned Unintentionally Under 37 C.F.R. § 1.137(b) on January 31, 2003 ("January 31, 2003 Petition"). Along with the January

31, 2003 Petition, Applicants submitted (1) the Petition fee; (2) a reply; and (3) a statement that the entire delay was unintentional. A Decision on Petition ("Decision") was mailed to Applicants on May 7, 2003. The Decision indicated that the Petition fee and the requirement that Applicants and/or Applicants' representative attest that the delay was "unintentional" had been satisfied. The Decision indicated however that the reply was incomplete because although Applicants' reply included a computer readable copy of the Sequence Listing, the copy provided was "Damaged" and therefore unreadable (see accompanying CRF Problem Report). Applicants submit a Request for Reconsideration of Decision of Petition herewith to provide a computer

readable copy of the Sequence Listing. Applicants thus renew the Petition Under 37 C.F.R.

1.137(b) to revive this unintentionally abandoned application. Should the Office have any

questions or require additional information, please contact Applicants' representative at the

telephone number listed below.

Respectfully Submitted,

fame c. I mes Laura A. Donnelly

Registration No. 38,435

Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 (732) 524-1729 (direct) (732) 524-2134 (facsimile)

Dated: Ulanto3

DOCKET NO.: JAB-1512

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

MASURE et al.

For:

NEUROTROPHIC FACTOR RECEPTOR

Filed:

I.A. March 26, 2000

Serial No:

10/019,337

VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I hereby verify that the computer readable diskette and paper copy enclosed herewith includes the same information as provided in the Sequence Listing of the subject application, and that this statement is made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully Submitted,

func c. I mes

Laura A. Donnelly

Registration No. 38,435

Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 (732) 524-1729 (direct) (732) 524-2134 (facsimile)

Dated: 4127103

SEQUENCE LISTING

```
<110> Masure, Stefan
      Cik, Miroslav
      Hoefnagel, Evert
<120> Neurotrophic Factor Receptor
<130> 53202/001
<140> PCT/EP00/04918
<141> 2000-05-26
<150> GB 9915200.1
<151> 1999-05-29
<160> 31
<170> PatentIn Ver. 2.0
<210> 1
<211> 792
<212> DNA '
<213> Mus musculus
<220>
<221> misc_feature
<222> (583)..(583)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (611)..(611)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (637)...(637)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (664)..(664)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (684)..(684)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (689)..(689)
<223> n = any amino acid
<220>
<221> misc_feature
<222> (728)..(728)
```

```
<223> n = any amino acid
<220>
<221> misc_feature
<222>
      (734)..(734)
<223> n = any amino acid
<220>
<221> misc feature
<222> (742)..(742)
<223> n = any amino acid
<400> 1
qtqcqccqaq cqccqqccc aqactttcqc gcccqcctgc gcgttctccg gcccggggtt 60
ggtgccgccc tcttgcctgg agcccctgga gcgctgcgag cgcagccgcc tgtgccggtg 120
egtgegtgeg gggegggetg ggeegeteae eegegteegg gegegegaag geeeegtete 180
ettgeettee aggeeteatg egeteeegeg eeeggeteee gegaeegetg eeeggaggag 240
gggggcccgc gttgtctgcg cgtctacgca ggcctcatgg gcaccgtggt cacccccaac 300
tacctggaca acgtgagcgc gcgcgttgcg ccctggtgcg gctgtgcggc cagtggaaac 360
cggcgcgaag aatgcgaagc cttccgcaag ctctttacaa ggaacccctg cttgggtgag 420
ggggcctgga ggtcccgggg aaccacggat gtctgtggcc caatccaagc tgcctggccc 480
gtgggtctta tttacgtcgc atcatgtttg gtgtgggcga tggacaatgt gcacatgcca 540
tggtacgtgg gtggaagtca agcgttaaaa cgtgtccaat ggnctggaag ttggccttcc 600
ttttgacact natggggtgg gcctttcttc atggtgngcc caacttacct ttggttggtc 660
ttgnctctgg gtgggaatgg cttnaattnc agaattttgg gggtcttgtt tgaagcctgg 720
cttttgcnct taanaacttg anaagttaaa ctcttattaa tcccaatggg gttcacctgt 780
aaagggagag gg
<210> 2
<211> 497
<212> DNA
<213> Mus musculus
<400> 2
gtggaaccgg cgcgaagaat gcgaaccttc cgcaagctct ttacaaggaa cccctgcttg 60
gatggtgcca tacaagcctt tgacagcttg cagccatcag ttctgcagga ccagactgct 120
gggtgctgtt tcccgcgggc aaggcacgag tggcctgaga agagctggag gcagaaacag 180
teettqtttt qteetaacqc ccaaggtqtc ctggctgtat gcactcactg ccctggctct 240
ccaggccctg ctctgattag gaacatgaac cgtggacgac acagctgact gccatgtctc 300
ccgatgactg ctcactgagc tgaaactccc ttgccctcag gtctgctgcc ctttgcaggc 360
ctggacccct gtgtggctgt cctctggatt gggggctgga ggctagggtc tgactgaaaa 420
gcctgtgttc ccgtcagtag gcatcttgtc cattttcttc cccatcctag agctgagcac 480
ccatagatga ggcctca
<210> 3
<211> 901
<212> DNA
<213> Rattus rattus
<400> 3
ggcaccqtqq tcacccccaa ctacctqqac aacqtqagcq cgcgcgttqc gccctggtgc 60
ggctgtgagg ccagcggaaa ccggcgcgaa gagtgcgaag ccttccgcaa gctttttaca 120
aggaacccct gcttggatgg tgccatacaa gcctttgaca gctcgcaacc atcagttctg 180
caggaccagt ggaaccccta ccagaatgct gggtgctgtt tcctgtgggt gtcctcgatg 240
tocatactca etgecetgge tetecaggee etgetetaat taggaaggtg aaccatggae 300
aacacagetg actgecatgt etetggatta tgeteactga actgaaacte cettgecete 360
aggtctgctg tectttgcag ttctggaccc etgcatgget gtctcctgga etgggagetg 420
gaggetaggg cccgactgtt aggttcccct gttagtaggc atctcgcctg ttttcttcac 480
catcettgag atgatggtag atgatattta geacetgtag acagggeete attgggeece 540
ttgggcttac agagcagaac agagactagc ctcctgctct tagaattggg tagtgttctt 600
ttccaaqaaq acatqqcact aaqqcqatca tatqaacaqa ctqacaqact qcaqtctaaa 660
```

```
tacccatgcc ccagggccag cgctgacctt gcttgtcacc tatgacatgg cgctgtgtag 720
ggattaaaga gagagattca ggtccctcct gctggacatc ccactggcct cccagactct 780
<210> 4
<211> 872
<212> DNA
<213> Rattus rattus
<400> 4
gtatggggag aggatgtgga gttggcagtt tctcatcgtt cccttctgta tttacccttc 60
teaggeagge caaggtggag geetgagtgg cetgagaaga gatggaggea gaaaeggtee 120
cegttttgtc ccaaggtgtc ctcgatgtcc atactcactg ccctggctct ccaggccctg 180
ctctaattag gaaggtgaac catggacaac acagctgact gccatgtctc tggattatgc 240
tcactgaact gaaactccct tgccctcagg tctgctgtcc tttgcagttc tggacccctg 300
catggctgtc tcctggactg ggagctggag gctagggccc gactgttagg ttcccctgtt 360
agtaggcatc tcgcctgttt tcttcaccat ccttgagatg atggtagatg atatttagca 420
cctgtagaca gggcctcatt gggccccttg ggcttacaga gcagaacaga gactagcctc 480
ctgctcttag aattgggtag tgttcttttc caagaagaca tggcactaag gcgatcatat 540
gaacagactg acagactgca gtctaaatac ccatgcccca gggccagcgc tgaccttgct 600
tgtcacctat gacatggcgc tgtgtaggga ttaaagagag agattcaggt ccctcctgct 660
ggacatecea etggeeteee agacteteee ageacetgea gtggeacage ageteaataa 720
aaaaaaaaa aaaaaagaaa aaaaaaaaaa aa
<210> 5
<211> 2522
<212> DNA
<213> Rattus rattus
<400> 5
ctggtaagct ttaaggcaga ggagacctaa gagctgagac atgctatgtt gagtggagcg 60
tatttacggg tgctgaatga gaggccaggc caggcagttt tatggagtct tggatgccag 120
agaggtaagg aggtgggaaa ggaagtacta taaacctgaa tttggtgact tggctggatt 180
tgcatatgtc cagtgccaag ttcagacata gctgccgggt ttactgatgc tactctccca 240
aggtcaggca ttctattttc ccctgaatgg cttttcatct gtgacttatc tacatcttca 300
ctgaaactac tggtaaacgt ccaggtctgt ctcagggcga agtcctatgg tctgccatta 360
agcctcagtg tcctgtcagg tgaagctggg gaggatggaa ggggtccagt agacgctctg 420
tgatgcatgt gccagttctg gagatggtgg tggaggctga acctgagctt ctggggaacc 480
teegagtact geetecatte aegaeetggg tggatateee taggaeetge ceatgeeege 540
ttcctcagga aaaacgggtc acgcctatgg gccacactct ctccccttgg gtttgggtat 600
ctgccccag ccccgccaa attccggggt gtggaatgtg gagaaccaag cacagagggc 660
tgcagcctgc cctcccctca ccagggtcag cgagctccac tgaggggaat cgctgcgtgg 720
aagcagccga ggcgtgcaca gcagacgagc agtgccagca gctgcgctcc gagtacgtgg 780
cgcaatgcct gggccgggcg ggctggcggg gacccgggag ctgcgtgcgc tcccgctgcc 840
geegtgeeet gegeegette ttegeeegeg ggeeteegge geteaegeae gegetgetet 900
tetgeggatg egaaggeece gegtgegeeg agegeeggeg ceagacatte gegeeegeet 960
gegegttete eggeeceeag etggegeeae etteetgeet gaageeettg gaeegetgeg 1020
agegaageeg eeggtgeegg tgegtgeggg gegggetggg eegeteaeeg gegteeggge 1080
gegegeagge eeegtetett tgeetteeag geeteatgeg eteeeggee eggeteeege 1140
gacggctgtc cggaggaggg gggcccgcgg tgtctgcgcg cctacgcagg ccttgtaggt 1200
acgctgggcg gcctctggcg ggcggggcgg cggaggcaga ttccgggggc ccgtcacagg 1260
tcctgggggt ccctgcaggc accgtggtca cccccaacta cctggacaac gtgagcgcc 1320
gegttgegee etggtgegge tgtgaggeea geggaaaceg gegegaagag tgegaageet 1380
tccgcaagct ttttacaagg aacccctgct tgggtgaggg ggctggagag cccgggcaac 1440
caaggacgtc tatggcccag tctaggctgc ctggcctgtg gggaccctta aaatgttttc 1500
gtcgtgtcgt atttggtgtg ggtgatggac agtgtgcacg tgccatggtg catgggtgga 1560
agtcagagga caacttgtca gtctctttct accacgtggg tccccgggat agcactgggc 1620
tcatcagttt tggtggcaag tgcctttgcc tgctgagcca tcttgctggc tgatgtgagc 1680
acatttttga tggaaagaaa ctgaggtttc cagagaccag atagccgatc actagagaat 1740
```

```
tcgagagatg tcaagaatct cttagggcta gaaaggatga gttaaaacat gtccaatgac 1800
ctggagttgg ccaaggctcc ctttggcact actgaggtct tttcctccat gtgttcccaa 1860
tttaacgctg ctgttcttgc ctcgggatga aatagcgttg ttccagattt ctgggggccc 1920
ggtttgaagc ctgtctctgc cacttcgtag ccgagagtta aactcttatt aatcctaatt 1980
gtgttcacct gtaagggcgg ggtgtgcact tgtcaacctc actcttagca cagtgacctt 2040
ccatctcagg ccgtgccttg cagattccag ggggtgtctc attttgtctc aagggagtgg 2100
agetgtttet agggttteet ggeeaaacet tetetggate tetecaetee atagatggtg 2160
ccatacaage ctttgacage tegeaaceat cagttetgea ggaceagtgg aaccectace 2220
agaatgctgg gtgctgtttc ctgtgggtag gtatggggag aggatgtgga gttggcagtt 2280
teteategtt eeettetgta tttaeeette teaggeagge caaggtggag geetgagtgg 2340
cctgagaaga gatggaggca gaaacggtcc ccgttttgtc ccaaggtgtc ctcgatgtcc 2400
atactcactg ccctggctct ccaggccctg ctctaattag gaaggtgaac catggacaac 2460
acagctgact gccatgtctc tggattatgc tcactgaact gaaactccct tgccctcagg 2520
<210> 6
<211> 953
<212> DNA
<213> Rattus rattus
<400> 6
ctggtaagct ttaaggcaga ggagacctaa gagctgagac atgctatgtt gagtggagcg 60
tatttacggg tgctgaatga gaggccaggc caggcagttt tatggagtct tggatgccag 120
agagggtcag cgagctccac tgaggggaat cgctgcgtgg aagcagccga ggcgtgcaca 180
gcagacgagc agtgccagca gctgcgctcc gagtacgtgg cgcaatgcct gggccgggcg 240
ggctggcggg gacccgggag ctgcgttgcgc tcccgctgcc gccgtgccct gcgccgcttc 300
ttegecegeg ggeeteegge geteaegeae gegetgetet tetgeggatg egaaggeeee 360
gcgtgcgccg agcgccggcg ccagacattc gcgcccgcct gcgcgttctc cggcccccag 420
ctggegeeac ettectgeet gaageeettg gaeegetgeg agegaageeg eeggtgeegg 480
ccccgtctct ttgccttcca ggcctcatgc gctcccgcgc ccggctcccg cgacggctgt 540
ccggaggagg ggggcccgcg gtgtctgcgc gcctacgcag gccttgtagg caccgtggtc 600
acceceaact acetggacaa egtgagegeg egegttgege eetggtgegg etgtgaggee 660
ageggaaacc ggegegaaga gtgegaagee tteegeaage tttttacaag gaacccctge 720
ttggatggtg ccatacaagc ctttgacaqc tcgcaaccat caqttctqca ggaccaqtgq 780
aacccctacc agaatgctgg gtgctgtttc ctgtgggtgt cctcgatgtc catactcact 840
gccctggctc tccaggccct gctctaatta ggaaggtgaa ccatggacaa cacagctgac 900
tgccatgtct ctggattatg ctcactgaac tgaaactccc ttgccctcag gtc
<210> 7
<211> 1008
<212> DNA
<213> Rattus rattus
<400> 7
ctggtaagct ttaaggcaga ggagacctaa gagctgagac atgctatgtt gagtggagcg 60
tatttacggg tgctgaatga gaggccaggc caggcagttt tatggagtct tggatgccag 120
agagggtcag cgagctccac tgaggggaat cgctgcgtgg aagcagccga ggcgtgcaca 180
gcagacgagc agtgccagca gctgcgctcc gagtacgtgg cgcaatgcct gggccgggcg 240
ggctggcggg gacccgggag ctgcgtgcgc tcccgctgcc gccgtgccct gcgccgcttc 300
ttegecegeg ggeeteegge geteaegeae gegetgetet tetgeggatg egaaggeeee 360
gcgtgcgccg agcgccggcg ccagacattc gcgcccgcct gcgcgttctc cggcccccag 420
ctggcgccac cttcctgcct gaagcccttg gaccgctgcg agcgaagccg ccggtgccgg 480
eccegtetet ttgeetteea ggeeteatge geteeegege eeggeteeeg egaeggetgt 540
ccggaggagg ggggcccgcg gtgtctgcgc gcctacgcag gccttgtagg caccgtggtc 600
acceccaact acetggacaa egtgagegeg egegttgege eetggtgegg etgtgaggee 660
ageggaaace ggegegaaga gtgegaagee tteegeaage tttttacaag gaaceeetge 720
ttggatggtg ccatacaagc ctttgacagc tcgcaaccat cagttctgca ggaccagtgg 780
aacccctacc agaatgctgg gcaggccaag gtggaggcct gagtggcctg agaagagatg 840
gaggcagaaa cggtccccgt tttgtcccaa ggtgtcctcg atgtccatac tcactgccct 900
ggctctccag gccctgctct aattaggaag gtgaaccatg gacaacacag ctgactgcca 960
tgtctctgga ttatgctcac tgaactgaaa ctcccttgcc ctcaggtc
                                                                  1008
```

```
<211> 273
<212> PRT
<213> Rattus rattus
<400> 8
Met Leu Ser Gly Ala
```

Met Leu Ser Gly Ala Tyr Leu Arg Val Leu Asn Glu Arg Pro Gly Gln
1 5 10 15

Ala Val Leu Trp Ser Leu Gly Cys Gln Arg Gly Ser Ala Ser Ser Thr $20 \\ 25 \\ 30$

Glu Gly Asn Arg Cys Val Glu Ala Ala Glu Ala Cys Thr Ala Asp Glu 35 40 45

Gln Cys Gln Gln Leu Arg Ser Glu Tyr Val Ala Gln Cys Leu Gly Arg
50 55 60 .

Ala Gly Trp Arg Gly Pro Gly Ser Cys Val Arg Ser Arg Cys Arg Arg 65 70 75 80

Ala Leu Arg Arg Phe Phe Ala Arg Gly Pro Pro Ala Leu Thr His Ala 85 90 95

Leu Leu Phe Cys Gly Cys Glu Gly Pro Ala Cys Ala Glu Arg Arg 100 105 110

Gln Thr Phe Ala Pro Ala Cys Ala Phe Ser Gly Pro Gln Leu Ala Pro 115 120 125

Pro Ser Cys Leu Lys Pro Leu Asp Arg Cys Glu Arg Ser Arg Arg Cys 130 135 140

Arg Pro Arg Leu Phe Ala Phe Gln Ala Ser Cys Ala Pro Ala Pro Gly 145 150 150 160

Ser Arg Asp Gly Cys Pro Glu Glu Gly Gly Pro Arg Cys Leu Arg Ala 165 170 175

Tyr Ala Gly Leu Val Gly Thr Val Val Thr Pro Asn Tyr Leu Asp Asn 180 185 190 .

Val Ser Ala Arg Val Ala Pro Trp Cys Gly Cys Glu Ala Ser Gly Asn 195 200 205

Arg Arg Glu Glu Cys Glu Ala Phe Arg Lys Leu Phe Thr Arg Asn Pro 210 215 220

Cys Leu Asp Gly Ala Ile Gln Ala Phe Asp Ser Ser Gln Pro Ser Val 225 230 235 240

Leu Gln Asp Gln Trp Asn Pro Tyr Gln Asn Ala Gly Cys Cys Phe Leu 245 250 255

Trp Val Ser Ser Met Ser Ile Leu Thr Ala Leu Ala Leu Gln Ala Leu 260 265 270

Leu

<210> 9 <211> 258 <212> PRT

<213> Rattus rattus

<400> 9

Met Leu Ser Gly Ala Tyr Leu Arg Val Leu Asn Glu Arg Pro Gly Gln
1 5 10 15

Ala Val Leu Trp Ser Leu Gly Cys Gln Arg Gly Ser Ala Ser Ser Thr
20 25 30

Glu Gly Asn Arg Cys Val Glu Ala Ala Glu Ala Cys Thr Ala Asp Glu 35 40 45

Gln Cys Gln Gln Leu Arg Ser Glu Tyr Val Ala Gln Cys Leu Gly Arg
50 60

Ala Gly Trp Arg Gly Pro Gly Ser Cys Val Arg Ser Arg Cys Arg Arg 65 70 75 80

Ala Leu Arg Arg Phe Phe Ala Arg Gly Pro Pro Ala Leu Thr His Ala 85 90 95

Leu Leu Phe Cys Gly Cys Glu Gly Pro Ala Cys Ala Glu Arg Arg 100 105 110

Gln Thr Phe Ala Pro Ala Cys Ala Phe Ser Gly Pro Gln Leu Ala Pro 115 120 125

Pro Ser Cys Leu Lys Pro Leu Asp Arg Cys Glu Arg Ser Arg Arg Cys 130 140

Arg Pro Arg Leu Phe Ala Phe Gln Ala Ser Cys Ala Pro Ala Pro Gly 145 150 155 160

Ser Arg Asp Gly Cys Pro Glu Glu Gly Gly Pro Arg Cys Leu Arg Ala 165 170 175

Tyr Ala Gly Leu Val Gly Thr Val Val Thr Pro Asn Tyr Leu Asp Asn 180 185 190

Val Ser Ala Arg Val Ala Pro Trp Cys Gly Cys Glu Ala Ser Gly Asn 195 200 205

Arg Arg Glu Glu Cys Glu Ala Phe Arg Lys Leu Phe Thr Arg Asn Pro 210 215 220

Cys Leu Asp Gly Ala Ile Gln Ala Phe Asp Ser Ser Gln Pro Ser Val 225 230 235 240

Leu Gln Asp Gln Trp Asn Pro Tyr Gln Asn Ala Gly Gln Ala Lys Val 245 250 255

Glu Ala

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCT primer

<400> 10

<pre><210> 11 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14</pre>		
<pre><211> 20 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <2213> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <221> DNA </pre> <pre> <210> 15 <211> 22 <212> DNA </pre> <pre> <213> Artificial Sequence </pre>	cgcgttgtct gcgcgtctac g	21
<pre><211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <211> 22 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <2210> I3 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg <210> 15 <211> 21 <212> DNA <213> Artificial Sequence <220> <2210> I5 <2211> DNA <213> Artificial Sequence <220> <223> Artificial Sequence <220> <2210> I5 <2211> DNA <213> Artificial Sequence <220> <220> <2210> IS <2212> DNA <213> Artificial Sequence <220> <220> <2213> Artificial Sequence <220> <220> <2213 Artificial Sequence <220> <220> <220> Artificial Sequence <220> <2210 Artificial Sequence <220> <220> <220> Artificial Sequence <220> Artificia</pre>		
<pre><212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <2210> 13 <221> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtgtcaccc ccaactact gg <210> 13 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactact gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <221> IS <221> DNA <213> Artificial Sequence <220> <221> IS <2212> DNA <213> Artificial Sequence <220> <223> Artificial Sequence <220> <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Artificial Sequence <220> <220> <220> IS <221> DNA <221> Artificial Sequence <220> <220> <220> Artificial Sequence <220> <220> <220> Artificial Sequence <220> Artificial</pre>		
<pre><213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <220> <221> Description of Artificial Sequence:PCR primer <400> 13 gzl1> 22 <212> DNA <213> Artificial Sequence <220> <220> <221> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gcttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <210> 15 <211> 21 <212> DNA <213> Artificial Sequence <220> <213> Artificial Sequence <2210> 15 <211> 212 <212> DNA <213> Artificial Sequence <220> <2210> 15 <2212> DNA <213> Artificial Sequence <220> <220> <2213 Artificial Sequence <2213 Artificial Sequence <220> <210> 15 <211> 212 <212> DNA <213> Artificial Sequence <220> <220> <2210> Artificial Sequence <220> <220> <220> Artificial Sequence <220> <220> <2210 Artificial Sequence <220> <220> <220> Artificial Sequence <220> Artificial Sequence</pre>		
<pre><220> <223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 20 <212> DNA <213> Artificial Sequence <220> <221> DNA <213> Artificial Sequence <220> <222> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <211> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 cgcttccgca agcttttac aagg <210> 14 cgcttccgca agctttttac aagg <210> 15 cgl1 22 cgl2 DNA <213> Artificial Sequence <220> <210> 15 cgl1 22 cgl2 DNA <213> Artificial Sequence <221> DNA <213> Artificial Sequence <220> <210> 15 cgl1 22 cgl2 DNA <213> Artificial Sequence <220> <220> <210> Artificial Sequence <220> <220> <220> Artificial Sequence <220> <220> <220> Artificial Sequence <220 Artificial Seq</pre>		
<pre><223> Description of Artificial Sequence:PCR primer <400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <2210> 13 gailt</pre>	<213> Artificial Sequence	
<pre><400> 11 cggcgcgaag aatgcgaagc <210> 12 <211> 23 c212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gcull</pre>		
cggcgcgaag aatgcgaagc <210> 12 <211- 23 <212- DNA <2213- Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210- 13 <211- 22 <212- DNA <213- Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400- 13 gtggtcaccc ccaactacct gg <210- 14 <211- 24 <212- DNA <213- Artificial Sequence <220- 223- Description of Artificial Sequence:PCR primer <400- 13 gtggtcaccc ccaactacct gg <210- 14 <211- 24 <212- DNA <213- Artificial Sequence <220- 223- Description of Artificial Sequence:PCR primer <400- 14 gccttccgca agctttttac aagg <210- 15 <221- 22 <212- DNA <213- Artificial Sequence <220- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3- 3-	<223> Description of Artificial	Sequence: PCR primer
<pre><210> 12 <211> 23 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <2211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <211> 24 <212> DNA <213> Artificial Sequence <220> <220> 14 <2212> DNA <213> Artificial Sequence <220> 22 <210> 14 <211> 24 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg <210> 15 <221> 22 <212> DNA <2213> Artificial Sequence <2210> 15 <221> DNA <2213> Artificial Sequence <2210> 15 <221> DNA <2213> Artificial Sequence <2213> Artificial Sequence</pre>	<400> 11	
<pre><211> 23 <212> DNA <213> Artificial Sequence </pre> <pre><220> <223> Description of Artificial Sequence:PCR primer </pre> <pre><400> 12 cacccacgta ccatggcatg tgc <pre> <210> 13 <211> 22 <211> DNA <213> Artificial Sequence </pre> <pre><220> <223> Description of Artificial Sequence:PCR primer </pre> <pre><400> 13 gtggtcaccc ccaactacct gg</pre> <pre> <210> 14 <211> 24 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 14 gtglib Sequence </pre> <pre> <220> <223> Description of Artificial Sequence:PCR primer </pre> <pre> <400> 14 gccttccgca agctttttac aagg</pre> <pre> <210> 15 <211> 22 <212> DNA <213> Artificial Sequence </pre> <pre> <220> <2212 DNA <213> Artificial Sequence </pre> <pre> <2213 Artificial Sequence </pre></pre>	cggcgcgaag aatgcgaagc	20
<pre><212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <220> <2210> 14 <211> 24 <212> DNA <213 Artificial Sequence <220> <220> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg 22 <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <2212> DNA <213> Artificial Sequence <2210> 15 <221> 22 <212> DNA <2213> Artificial Sequence <220></pre>	<210> 12	
<pre><212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <220> <2210> 14 <211> 24 <212> DNA <213 Artificial Sequence <220> <220> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg 22 <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <2212> DNA <213> Artificial Sequence <2210> 15 <221> 22 <212> DNA <2213> Artificial Sequence <220></pre>	<211> 23	
<pre><213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc 210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg 210> 14 <211> 24 <211> 24 <212> DNA <213> Artificial Sequence <220> <220> 14 <2212> DNA <213> Artificial Sequence <220> <2210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg 220> <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220> <2213> Artificial Sequence <2210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220><!--213--> Artificial Sequence</pre>		
<pre><223> Description of Artificial Sequence:PCR primer <400> 12 cacccacgta ccatggcatg tgc</pre>		
<pre><400> 12 cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gcztz DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <221> Artificial Sequence <221> SNA <213> Artificial Sequence <221> Artificial Sequence</pre>	<220>	
cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gc210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <211> DNA <213> Artificial Sequence <<220> <213> Artificial Sequence <<213> Artificial Sequence <<221> NA <213> Artificial Sequence <<220>		Sequence: PCR primer
cacccacgta ccatggcatg tgc <210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gc21> 21 <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <211> DNA <213> Artificial Sequence <<220> <213> Artificial Sequence <<213> Artificial Sequence <<213> Artificial Sequence <<220>	<400> 12	
<pre><210> 13 <211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg</pre>		23
<pre><211> 22 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg</pre>	caccacgea coarggearg rgc	23
<pre><212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtggtcaccc ccaactacct gg</pre>		
<pre><213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtgggtcaccc ccaactacct gg</pre>		
<pre><220> <223> Description of Artificial Sequence:PCR primer <400> 13 gtgggtcaccc ccaactacct gg</pre>		
<pre><223> Description of Artificial Sequence:PCR primer <400> 13 gtgggtcaccc ccaactacct gg</pre>	<213> Artificial Sequence	
<pre><400> 13 gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence</pre>		
<pre>gtggtcaccc ccaactacct gg <210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agcttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <<220></pre>	<223> Description of Artificial	Sequence:PCR primer
<210> 14 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: PCR primer <400> 14 gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <<220>	<400> 13	
<pre><211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>	gtggtcaccc ccaactacct gg	. 22
<pre><211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>	-210 \ 14	
<pre><212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>		
<pre><213> Artificial Sequence <220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>		
<pre><220> <223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>		·
<pre><223> Description of Artificial Sequence:PCR primer <400> 14 gccttccgca agctttttac aagg</pre>		
<400> 14 gccttccgca agctttttac aagg 2 <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220>		
gccttccgca agctttttac aagg <210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220>	<223> Description of Artificial	Sequence:PCR primer
<210> 15 <211> 22 <212> DNA <213> Artificial Sequence <220>		
<211> 22 <212> DNA <213> Artificial Sequence <220>	gccttccgca agctttttac aagg	24
<211> 22 <212> DNA <213> Artificial Sequence <220>	<210> 15	
<212> DNA <213> Artificial Sequence <220>		
<213> Artificial Sequence <220>		
<223> Description of Artificial Sequence: PCR primer	<220>	
	<223> Description of Artificial	Sequence:PCR primer
<400> 15		
gctcttctgc ggatgcgaag gc 2	gctcttctgc ggatgcgaag gc	22

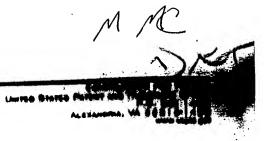
. . .

```
<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 16
agctgccggg tttactgatg ctac
                                                                    24
<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:PCR primer
<400> 17
gatgctactc tcccaaggtc aggc
                                                                    24
<210> 18
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: PCR primer
<400> 18
ctggtaagct ttaaggcaga ggagacc
                                                                    27
<210> 19
<211> 23
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 19
catggcagtc agctgtgttg tcc
                                                                    23
<210> 20
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:PCR primer
<400> 20
cagctgtgtt gtccatggtt cacc
                                                                    24
<210> 21
<211> 30
<212> DNA
```

```
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: PCR primer
                                                                   30
tggttgcgag ctgtcaaagg cttgtatggc
<210> 22
<211> 30
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 22
ggggttcctt gtaaaaagct tgcggaaggc
                                                                   30
<210> 23
<211> 25
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 23
ggtccaaggg cttcaggcag gaagg
                                                                   25
<210> 24
<211> 22
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 24
gccttcgcat ccgcagaaga gc
                                                                   22
<210> 25
<211> 23
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 25
                                                                   23
ccaggtagtt gggggtgacc acg
<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>

```
<223> Description of Artificial Sequence: PCR primer
<400> 26
cccaggcatt gcgccacgta
                                                                    20
<210> 27
<211> 22
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 27
cattgcgcca cgtactcgga gc
                                                                    22
<210> 28
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: PCR primer
<400> 28
gacctgaggg caagggagtt tca
                                                                    23
<210> 29
<211> 25
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: PCR primer
gcaagggagt ttcagttcag tgagc
                                                                    25
<210> 30
<211> 27
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR primer
<400> 30
ccatcctaat acgactcact atagggc
                                                                    27
<210> 31
<211> 23
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:PCR primer
<400> 31
```



Myra H. McCormack One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003

In re Application of

1&1 Pat. DKT. SECTION

MASURE, et al.

U.S. Application No.: 10/019,337 PCT No.: PCT/EP00/04918

Int. Filing Date: 26 March 2000

Priority Date: 29 June 1999

Attorney Docket No. JAB-1512

NEUROTROPHIC FACTOR RECEPTOR :

DECISION ON PETITION

UNDER 37 CFR 1.137(b)

This decision is in response to applicant's "Petition For Revival of patent Application Abandoned Unintentionally Under 37 CFR 1.137(b)" filed 29 March 2002. Applicant included authorization to charge the \$1300.00 petition fee to Deposit Account No.: 10-0750.

BACKGROUND

On 26 March 2000, applicant filed international application PCT/EP00/04918, which claimed priority of an earlier application filed 29 June 1999. A Demand for international preliminary examination, in which the United States was elected was filed prior to the expiration of nineteen months from the priority date. Accordingly, the thirty-month period for paying the basic national fee in the United States expired at midnight on 29 December 2001. application

a check in the On 19 December 2001, applicant filed the present petition accom amount of \$1280.00; a transmittal letter for entering the U.S. national stage under 35 U.S.C. 371; payment of the U.S. basic national fee; a First preliminary amendment; a copy of the published international application; an executed oath or declaration of the inventors; an assignment document for recording; a sequence disk and a sequence listing.

On 06 March 2002, applicant was mailed a "NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371" (Form PCT/DO/EO/905) informing applicant of the need to provide a nucleotide and/or amino acid sequence disclosure in compliance with 37 CFR 1.821-1.825. Applicant was afforded two months to file the response.

On 17 April 2002, applicant responded with an amendment to the specification; applicant did not include a computer readable diskette version of the sequence listing.

On 28 June 2002, applicant was mailed a "NOTIFICATION OF DEFECTIVE RESPONSE" (Form PCT/DO/EO/916) informing applicant that the sequence listing filed 17 April 2002 did not comply 37 CFR 1.821-1.825 and thus was not a proper response of the response of t

SIGNED: CEIL SURMAN

Application No.: 10/019,337

PCT/DO/EO/905 mailed 06 March 2002. Applicant was afforded one month from the mailing of the Form PCT/DO/EO/916 or within the time remaining in the response set forth in the Form PCT/DO/EO/905, whichever was longer.

On 30 December 2002, applicant filed a petition for an extension of time and response to the notice of a defective response.

On 15 January 2003, applicant was mailed a communication and notice of abandonment informing applicant that the above-identified application was abandoned on 06 October 2002 for failure to respond to the Form PCT/DO/EO/916 within the time period prescribed therein and advised to file a petition for revival.

On 21 January 2003, applicant was mailed a "Notification of Abandonment" (Form PCT/DO/EO/909).

On 06 February 2003, applicant filed the present petition to revive pursuant to 37 CFR 1.137(b).

DISCUSSION

A petition under 37 CFR 1.137(b) requesting that the application be revived on the grounds of unintentional abandonment must be accompanied by (1) the required reply, (2) the petition fee required by law, (3) a statement that the, "entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to this paragraph was unintentional" and (4) any terminal disclaimer and fee pursuant to 37 CFR 1.137(c) (where required).

With regard to Item (2), applicant included authorization to charge the \$1300.00 petition fee to Deposit Account No.: 10-0750.

As to Item (3), applicant's statement that "the entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional" satisfies Item (3).

With regard to Item (4), the terminal disclaimer is not required since this application was filed after 08 June 1995.

Thus, applicant has satisfied Items (2) - (4) above.

However, with regard to Item (1), the proper response was the required sequence listing pursuant to 37 CFR 1.821-1.825. The computer readable form accompanying the present petition was not readable. (See attached copy of CRF Problem Report.) Accordingly, the proper reply has not been furnished.

Application No.: 10/019,337

For the reasons stated above, the petition for revival cannot be granted at this time and the application remains abandoned.

CONCLUSION

For the reasons stated above, applicant's petition under 37 CFR 1.137(b) is **DISMISSED**.

If reconsideration on the merits of this petition is desired, a proper response must be filed within TWO (2) MONTHS from the mail date of this decision. Any reconsideration request should include a cover letter entitled "Renewed Petition Under 37 CFR 1.137(b)." No additional petition fee is required.

Please direct further correspondence with respect to this matter to the Mail Stop PCT, Commissioner for Patents, Office of PCT Legal Administration, P.O. Box 1450, Alexandria, Virginia 22313-1450, with the contents of the letter marked to the attention of the Office of PCT Legal Administration.

Derek A. Putonen Attorney Advisor

Office of PCT Legal Administration

Tel: (703) 305-0130 Fax: (703) 308-6459